sts24_sq_stl_int_pcp New Aug. 2000 DETAIL "A" Sheet 2"Gap_at_60°F State Proj. No. **→** B No. МО GENERAL NOTES: 2" Gap at 60°F. The expansion device shall be fabricated and installed in accordance with the recommendations of the manufacturer, and as set forth in the Special Provisions. -5/16" Plate and 5/16" angle See DETAIL "B") The contractor must verify all dimensions prior to All welds shall conform to Section 712 of the Missouri Standard Specifications. 11111 Splices of steel extrusion shall develop full strength. -1/2"Ø Machine bolt at abt. 18" cts. Use two hex nuts to set gap before concrete placement. Gap may be set anytime up to but not exceeding 2 All steel shall be ASTM A709 Grade 36, except steel extrusions shall be ASTM A709 Grade 50W or Grade 36. hours before concrete placement. Cut machine bolt flush with extrusion after concrete on each side has taken initial set. Neoprene Strip Seal shall meet ASTM D-2628. Anchors for the extrusions or armor shall be approved welded studs (C1010 thru C1020). Structural steel for the expansion device shall be coated with a minimum of two coats of inorganic zinc primer (5 mils minimum) or galvanized in accordance with ASTM A123. Anchors need not be protected from overspray. -£ 1/2" Ø Machine bolt and nut with 9/16" Ø hole (Shop or fleld drill) in the top flange. Remove bolt after concrete has set (Typ.) Payment for furnishing, coating or galvanizing and placing steel extrusions, miscellaneous structural steel, and neoprene strip seal shall be made under the contract unit price for Strip Seal Expansion Device. 4" (Min. @ 60°F Note: Strip seal gland not shown for clarity. SECTION A-A Plan dimensions are based on installation at 60°F. The gap shall be increased for each 10° fall in temperature and decreased for each 10° rise in temperature from the Note: Strip seal gland not shown for clarity. 2" Gap @ 60°F decreased for each installation temperature. PART ELEVATION OF BARRIER CURB -Strip seal gland Longitudinal reinforcing steel shall be placed so that ends shall not be more than 1"± from vertical leg of extrusion at ь___ 3/4 "Ø \times 8" Long Welded Expansion Device. Shear Connector Studs Concrete shall be forced under and around strip seal extrusions and studs. Proper consolidation of the concrete shall be achieved by localized internal vibration. (Spaced alternately at abt. 9" cts.) (Typ.) 1/2"Ø Machine bolt at abt, 18" cts. Const. Cut machine bolt flush with extrusion after concrete on each side has taken initial set.(Typ.) 5/16 " plate ٥ 0 ½" Ø Holes @ abt. Extend strip -Angle 3-1/2 x 3-1/2 x 5/16 x 6" long (Typ.) 18" cts (For ½" Ø machine bolts) seal gland 3" past end of slab(Typ. $\frac{3}{4}$ " Ø x 8" Long Welded Shear Connector Studs (Spaced alternately @ abt. 9" cts.) 5/16" Plate. and 5/16" Angle — PART PLAN PART SECTION B-B € 1/2"Ø Machine bolts and nut with 9/16"Ø holes(Shop or field drill) in top flange. Remove bolt after concrete has set. · € 9/16" x 1" slotted holes for 1/2 "Ø machine bolts. PP-Type Joint Armor(D.S. Brown SSPA, Watson Bowman Type P or equivalent)

\$\frac{3}{2}\% \times 8\% Long Shear connector alternating at 9\% cts. -5/16" Plate € 9/16" x 1" slotted holes for 1/2 "Ø machine bolts. -Angle 3-1/2 x 3-1/2 x 5/16 x 6" long— Single layer gland, no multiple layer © 9/16" Ø holes for 1/2" Ø machine bolts -1/2" Ø Machine Bolt @ abt.18" cts. Strip seal gland size = Cut machine bolt flush with extrusion after concrete on each side has taken initial set. (Typ.) Tack Weld DETAIL OF JOINT ARMOR DETAIL OF GLAND 5/16" Plate 5/16" Angle DETAIL "A" DETAIL "B" DETAILS OF STRIP SEAL AT INTERMEDIATE BENT NO. Detailed Checked COUNTY Note: This drawing is not to scale. Follow dimensions. Sheet No. of